

Charge Demolition Necklace L1A1



EXPLOSIVES

5 x Charge Demolition No.14, “Hayrick Necklace Kit”



Charge Demolition Necklace L1A1, is a set of 5 “Hayrick” steel vee-linear cutting charges (11lb). Typically used by military Engineers for use against re-inforced metal/concrete targets such as bridge girders. Each of the 5 charges comprises a linear shaped charge unit filled with 5.3 kg of high explosive Composition B “Comp B” (RDX/TNT) primed with a powerful HE booster unit to ensure good performance.

This ‘necklace’ set of five units are designed to be used together, however the charges can also be used individually (For a **single Hayrick Charge**, see product **1-MD-27**). A kit consists of five Charge No. 14 (Hayrick) units plus links and clamps for attaching the ‘necklace’ to the target. Initiation is usually achieved by the detonating cord passed through the hole in the priming pellet.

Each linear shaped charge unit is filled with 5.3 kg of high explosive primed with a powerful HE booster unit to ensure good performance. The charges can be used individually or as a ‘necklace’ of five units.

Kit Contents

- Charge Demolition No. 14 x 5
- Clamp Demolition Necklace, Mk1 x 2
- Link Adjustable Demolition Necklace Mk1 x 2
- Nail Wire Roundshank 150mm (6in) (x4 SWG) x 10
- Wooden packing box

SPECIFICATIONS

Mondial Part No.	1-MD-28 (L1A1 Necklace)
NATO Stock No (NSN):	T5 / 1375-99-960-5409
NEQ	25.5kg
Shelf Life	10 years (under NATO magazine conditions)
Packing	Wooden Box / Approved Container
Drawing / Pattern	TX43GF. Schedule IA 4096, Comprising: 5 Charges Demolition No 14 (TX16GF) two Clamps (TX19A), two links adjustable (TX20A), 10 nails, wire, round 6 in x 4SWG

SUGGESTED EXPLOSIVE SAFETY DISTANCES FOR CHARGES IN TRAINING

Danger Area (Radius)	1000m
Air Danger Height	2000ft

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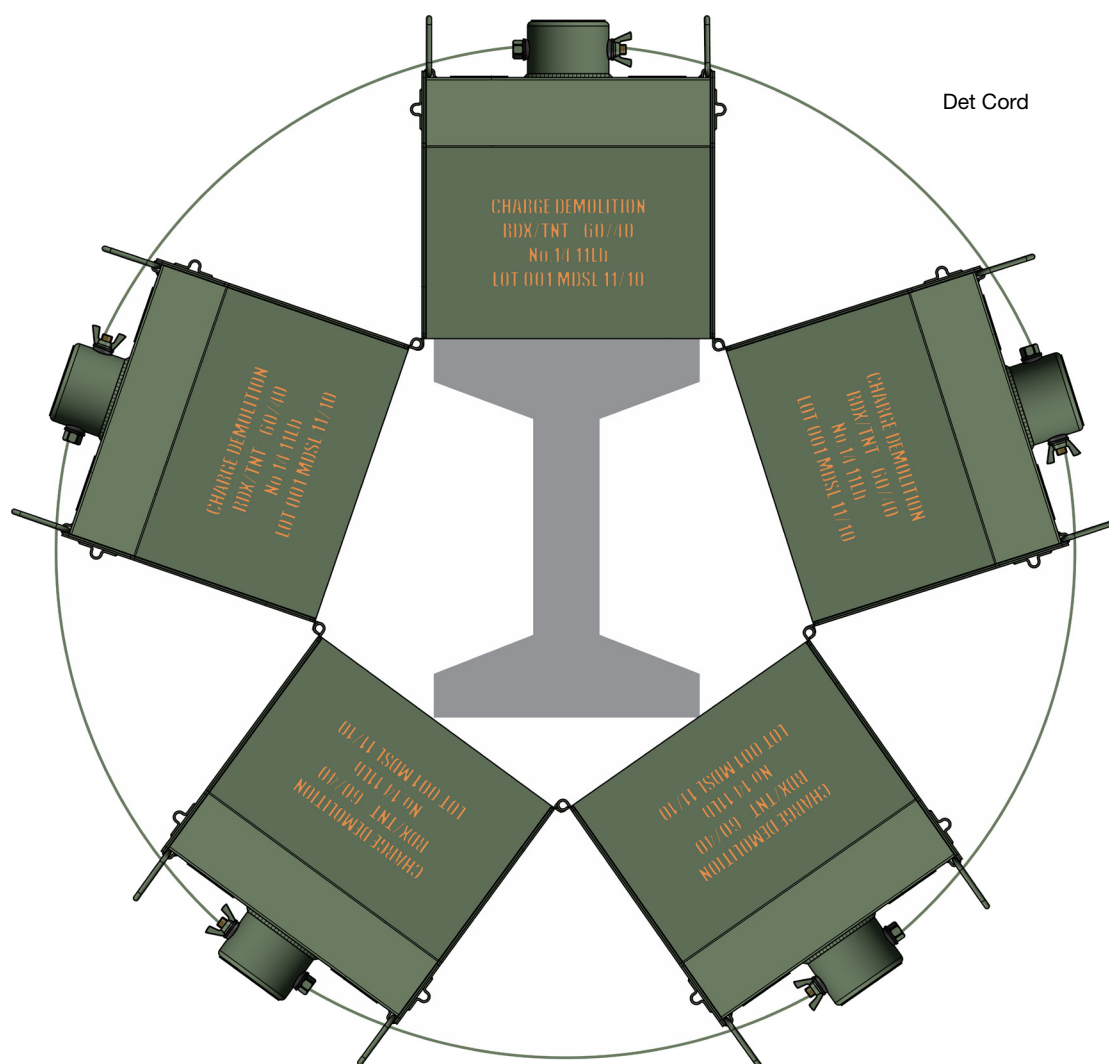
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Individual Charge No. 14 Performance

With no stand-off distance a single No.14 charge will cut 200mm of laminated steel plate under compression, 250mm under tension, or 25mm steel through 150mm of reinforced concrete. The maximum stand-off distance which an individual charge can cut a 25mm steel plate is 760mm.

Necklace L1A1 Performance

When charges are assembled in the ‘Necklace’ formation (as shown above), the full five charges will cut a 25mm steel plate from a stand off distance of up to 1.06m. The effect and depth of cutting is reduced if less than five charges are used.

Operation: For necklace use:

1. Position charges around target to be cut.
2. Connect charges using links, clamps & nails included.
3. Withdraw bolts.
3. Insert detonating cord through the turret holes.
4. Ensure range safety procedures are in operation.
5. Initiate detonating cord using a service or commercial detonator of at least strength no 8.

Initiation

The necklace charges should be initiated using det cord, fired from an electric or non-electric detonator.

ASSOCIATED PRODUCTS

Product	Mondial Part No.
L2A2 Detonator Electric	5-MD-19
L1A2 Detonator Plain	5-MD-20
Det Cord (Startline 12)	1-MD-SL12
Charge Demolition No. 14 Mk1 (Individual “Hayrick” Charge)	1-MD-27
DRILL Charge Demolition No. 14 Mk 1 (Individual “Hayrick” Charge)	1-MD-27D
L2A1 Drill Charge Demolition Necklace	1-MD-28D

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